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T-103 P.001

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DATE: January	24, 2006	TIME:		
то:	Mail Stop Amendment	FAX NO.:	571-273-8300	
FROM:	Kenneth N. Nigon	ADMIN. ASST.:	P. Boccella	
APPLN. NO.:	10/813,372	ATTY. DOCKET NO.:	MATG-395US	
TITLE OF APPLN.: SCANNING OPTICAL MI		EXISTING MICRO-AND NANO-ST	RUCTURES USING A	NEAR-FIELD
FILING DATE:	March 30, 2004	ART UNIT:	2812	
FIRST INVENTOR:	Ming Li	CONF. NO.:	4694 ·:	
TITLE OF DOCUME	NT (and List of Attachn	nents): Transmittal; Fee Tr	ansmittal; Response	to Restriction
Requirement; PTO-203	18			
	Total Number of I	Pages: 39 (including this	form)	
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PAGE 1/39 \* RCVD AT 1/24/2006 4:11:03 PM [Eastern Standard Time] \* SVR:USPTO-EFXRF-6/36 \* DNIS:2738300 \* CSID:6104070701 \* DURATION (mm-ss):09-46

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**FORM** 

T-103 P.002

10/813.372

Ming Li

March 30, 2004

F-329

JAN 24 2006

PTO/SB/21 (09-04) (AW 10/2004)
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Filing Date

Application Number

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(to be used for all correspondence after	be used for all correspondence after initial filing)					
				Richard A. Booth		
Total Number of Pages in This Subm	Total Number of Pages in This Submission 37			MATG-395US		
	E\$ (Check all that a	nnlv)				
Fee Transmittal Form Fee Attached  Amendment/Reply After Final Affidavits/Declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Drawi Licens Petitic Provis Powe Chan Addre Reque	ing(s) sing-related Papers on on to Convert to a sional Application or of Attorney, Revocation ge of Correspondence		After Allowance C to TC  Appeal Communic of Appeals and Inf  Appeal Communic (Appeal Notice, E Brief)  Proprietary Inform  Status Letter		
SIGNATURE OF APPLICANT, ATTORNEY OR AGENT						
Firm Name RatnerPresta						
Signature ///						
Printed Name Kenneth N. Nigon	Kenneth N. Nigon				<del>                                     </del>	
Date January 24, 2006	January 24, 2006         Registration No.         31,549					
CERTIFICATE OF TRANSMISSION / MAILING						
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service will postage as first class mail in an emyslope addressed to: Complessioner for Patents, P.Q. Box 1450, Alexandria, VA 22313-1450 on the date					sufficient shown below:	
Signature Talrem Societte						
Typed or Printed Name / Patricia C. Bocce	la T		Date	January 24, 200	s  <i>]</i>	

This collection of information is required by 97 CFR 1.5. The Information Is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time with vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office. U.S. Petent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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JAN 24 2006

PTO/SB/17 (12-0 2) (AW 1/2005)
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it displays a valid Out control number. Complete if Known Effective on 12/08/04. Fees pursuant to the Consolidated Appropriations Act. 2005 (H.R. 4818). 10/813 372 Application Number FEE TRANSMITTAL March 30, 2004 Filing Date For FY 2005 Ming Li et al. First Named Inventor Richard A. Booth Examiner Name Applicant claims small entity status. See 37 CFR 1.27 2812 Art Unit Attorney Docket No. MATG-395US TOTAL AMOUNT OF PAYMENT 150.00 METHOD OF PAYMENT (check all that apply) ☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): Deposit Account Deposit Account Number: 18-0350 Deposit Account Name: RatnerPrestia For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below, except for the filing fee Charge fee(s) indicated below Charge any additional fee(s) or underpayment of fee(s) Credit any overpayments under 37 CFR 1.16 and 1.17 ation on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. FEE CALCULATION BASIC FILING, SEARCH, AND EXAMINATION FEES **EXAMINATION FEES** SEARCH FEES FILING FEES **Small Entity** Small Entity Small Entity Fees Paid (\$) Fee (\$) Fee (\$) Application Type Fee (\$) Fee (\$) Fee (\$) Fee (\$) 100 200 250 300 150 500 Utility 50 130 65 Design 100 100 200 160 80 200 100 300 150 Plant 300 500 250 600 300 150 Reissue O ٥ 100 Ù 0 200 Provisional Shall Entity EXCESS CLAIM FEES Fee (\$) Fee ( Fee Description 50 25 Each claim over 20 (including Reissues) 100 Each independent claim over 3 (including Reissues) 200 360 180 Multiple dependent claims Multiple Depondent Claims Fee (\$) Fee Pald (\$) Extra Claims Total Claims Fee (\$) Fee Pald (\$) - 83 or HP = 50 = 150 HP = highest number of total dams paid for, if greater than 20 Foe Paid (\$) Extra Claims Fee (\$) Indep. Ctaims HP = highest number of independent claims paid for, if greater than 3 APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)). The application size fee due is \$250 (\$125 for small entity) for each 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFF 1.16(e). Number of each additional 50 or fraction thereof Fee Pald (\$) Fee (\$) Extra Sheets Total Sheets (round up to a whole number) - 100 = /50 = Fees Paid ( OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing sercharge): Complete (if applicable SUBMITTED BY 31,549 610-407-0700 Registration No. Attorney/Agent) Signature Date January 24, 201 Name (Print/Type) Kenneth N. Nigon

This collection of Information is required by S7 CFR 1.136. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. VA 22313-4450.

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PTO/SB/17 (12-0 v2) (AW 1/2005)
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U.S. Patent and Trademark Office: U.S. DEPARTMENT QF COMMERCE

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Effective on 12/08/04.		Complete if Known							
Fees pursuant to the Consolidated Appropriations Act. 2005 (H.R. 4818).  FEE TRANSMITTAL		Application	Number	10/813	3,372				
		Filing Date	·	March	30, 2004				
For FY 2005		First Name	ed Inventor	Ming L	i et al.				
Applicant claims small	entity stati	us. See 37 CFR	1,27	Examiner	Name	Richa	rd A. Booth		
				Art Unit		2812			
TOTAL AMOUNT OF PA	YMENT	(\$) 150.00		Attorney E	ocket No.	MATG	-395US		
METHOD OF PAYMENT (check all that apply)									
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authorization on P70-2038. FEE CALCULATION				•••	<del></del>		<del> </del>		
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Application Type	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)		(\$)	Fee (5)	Fees Paid	<b>  (\$)</b>
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3. APPLICATION SIZE	FEE								[]
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the application size (se	due is \$250	(\$1 <i>2</i> 5 for small en	tity) for each 50	D sheets or fi	ection there:	of. See	35 U.S.C. 41(8)	(1)(G) and 37 Q	PK 1.16(8).
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4. OTHER FEE(S) Non-English Specifica	tion, \$130 f	ee (no small entit	y discount)					Fees Pald (	
Other (e.g., late filing									
SUBMITTED BY	1 /						Соп	iplete <i>(if applies</i> t	(d)
Signature		M Regis	tration No. Attor	ney/Agent)	31,549		Telephone	610-407-0700	
							Date .	Jameson 24 20	hk

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is est mated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will be yet depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 450, Alexandria, VA 22313-1450.

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MATG-395US

Appln. No.: 10/813,372

Amendment Dated January 24, 2006

Reply to Office Action of December 27, 2005

DOS JAN 2 4 2006 .

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No:

10/813,372

Applicant:

Ming Li et al.

Filed:

March 30, 2004

Title:

METHOD FOR MODIFYING EXISTING MICRO- AND NANO-

STRUCTURES USING A NEAR-FIELD SCANNING OPTICAL MICROSCOPE

TC/A.U.:

2812

Examiner:

Richard A. Booth

Confirmation No.: 4694

1694

Docket No.:

MATG-395U\$

#### RESPONSE TO RESTRICTION REQUIREMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SIR:

This is in response to the Restriction Requirement stated in the Office Letter dated December 27, 2006.

The Examiner objects to the number of different devices that can be made using this technique as described in claims 20, 44 and 64. These devices are: 1) a microstructure mold, 2) a quantum cellular automaton, 3) a coupled quantum dot device, 4) a resonant tunneling device, 5) a multifunction optical array, 6) a diffractive optical element, 7) a beam shaper, 8) a microlens array, 9) an optical diffuser, 10) a beam splitter, 11) a laser dode corrector, 12) a fine pitch grating, 13) a photonic crystal, 14) a micro-electrical-mechanical system, 15) micro-circuitry, 16) a polymerase chain reaction microsystem, 17) a biochip for detection of hazardous chemical and biological agents, 18) a high-throughput drug screening and selection microsystem, 19) a micro-surface-acoustic-wave device, and 20) a micro-mechanical oscillator. The examiner would like us to limit each of these claims to a single device.

Applicants elect to prosecute the micro-electrical-mechanical system. To implement this election, Applicants withdraw claims 20, 44 and 64 from consideration and add new claims 84, 85 and 86 which correspond to claims 20, 44 and 64 but recite only the micro-electrical-mechanical system.

The claims are amended as follows:

d1/25/2006 CNGUYEN2 00000019 10813372

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1 of 34

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